

**CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD
COLORADO RIVER BASIN REGION**

MONITORING AND REPORTING PROGRAM NO. 01-020
FOR
MISSION SPRINGS WATER DISTRICT, OWNER/OPERATOR
ALAN HORTON WASTEWATER TREATMENT PLANT
AND WASTEWATER COLLECTION AND DISPOSAL SYSTEMS
Desert Hot Springs - Riverside County

Location of Discharge: SE¼ of the NE¼ of Section 6, T3S, R5E, SBB&M

MONITORING

The collection, preservation and holding times of all samples shall be in accordance with United States Environmental Protection Agency (USEPA) approved procedures. Unless otherwise approved by the Regional Board's Executive Officer, all analyses shall be conducted by a laboratory certified by the State Department of Health Services. All analyses shall be conducted in accordance with the latest edition of "Guidelines Establishing Test Procedures for Analysis of Pollutants" (40 CFR 136), promulgated by the USEPA.

Samples shall be collected at the location specified in the Permit. If no location is specified, sampling shall be conducted at the most representative sampling point available.

If the facility is not in operation, or there is no discharge during a required reporting period, the discharger shall forward a letter to the Regional Board indicating that there has been no activity during the required reporting period.

INFLUENT MONITORING

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ₅ ¹	mg/L ²	24-Hr. Composite	Monthly
Suspended Solids	mg/L	24-Hr. Composite	Monthly

EFFLUENT MONITORING

Wastewater discharged from the facility shall be monitored at the outlet pipe to the infiltration basin where representative samples of effluent can be obtained. Wastewater discharged into any holding and/or infiltration basin shall be monitored for the following constituents:

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
20°C BOD ₅	mg/L	24-Hr. Composite	Bi-Monthly

¹ BOD₅ – Biochemical Oxygen Demand

² mg/L = Milligrams-per-Liter

<u>Constituents</u>	<u>Units</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Suspended Solids	mg/L	24-Hr. Composite	Bi-Monthly
Flow (Total Plant Effluent)	MGD ³	Flow Measurement	Daily ⁴
pH	pH units	Grab	Weekly
Total Dissolved Solids	mg/L	Grab	Monthly
Nitrate as N (NO ₃ -N)	mg/L	Grab	Monthly
Total Nitrogen	mg/L	Grab	Monthly
Volatile Organic Compounds ⁵	µg/L ⁶	Grab	Annually

DOMESTIC WATER SUPPLY

The domestic water supply shall be sampled for the following constituent:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Monthly

GROUND WATER MONITORING

Ground water shall be sampled in the uppermost 20 feet of the shallow aquifer from the monitoring wells for the facility, and analyzed for the following constituents: (The ground water monitoring shall commence upon completion of installation of ground water monitoring system.)

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Total Dissolved Solids	mg/L	Grab	Quarterly
Total Nitrogen	mg/L	Grab	Quarterly
Nitrate as N	mg/L	Grab	Quarterly
Sulfate	mg/L	Grab	Quarterly
Chloride	mg/L	Grab	Quarterly
Aluminum	mg/L	Grab	Quarterly

³ Million Gallons-per-Day

⁴ Reported for each day with average monthly flow calculated

⁵ Analysis of Volatile Organic Compounds is to be accomplished using the USEPA test methods 601 and 602 or 624.

⁶ µg/L = microgram-per-liter

Fluoride	mg/L	Grab	Quarterly
<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Volatile Organics	µg/L	Grab	Quarterly
Ground Water Elevation	Feet (MSL ⁷)	Measurement	Quarterly
Ground Water Elevation	Contour Map	Measurement	Quarterly

OPERATION AND MAINTENANCE

The discharger shall report the following:

<u>Activity</u>	<u>Reporting</u>
To inspect and document any operation/maintenance problems by inspecting each unit process. In addition, calibration of flow meters and equipment shall be performed in a timely manner and documented.	Annually

PRETREATMENT

In the event that significant industrial wastewaters are being discharged to the wastewater treatment facility, then the discharger shall provide the Regional Board with an annual report describing the pretreatment program activities over the previous twelve (12)-month period and it shall include:

- a. A summary of actions taken by the discharger which ensures industrial-user compliance;
- b. An updated list of industrial users (by SIC categories) which were issued permits, and/or enforcement orders, and a status of compliance for each user; and
- c. The name and address of each user that received a revised discharge limit.

SLUDGE MONITORING

The discharger shall report annually on the quantity, location and method of disposal of all sludge and similar solid materials being produced at the wastewater treatment plant facility.

The sludge that is generated at the treatment facility shall be sampled and analyzed for the following:

<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
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⁷ Mean Sea Level

Arsenic	mg/kg ⁸	Composite	Annually
Cadmium	mg/kg	Composite	Annually
<u>Constituent</u>	<u>Unit</u>	<u>Type of Sample</u>	<u>Sampling Frequency</u>
Copper	mg/kg	Composite	Annually
Lead	mg/kg	Composite	Annually
Mercury	mg/kg	Composite	Annually
Molybdenum	mg/kg	Composite	Annually
Nickel	mg/kg	Composite	Annually
Selenium	mg/kg	Composite	Annually
Zinc	mg/kg	Composite	Annually
Fecal Coliform	MPN/gram	Composite	Annually

REPORTING

1. The discharger shall arrange the data in tabular form so that the specified information is readily discernible. The data shall be summarized in such a manner as to clearly illustrate whether the facility is operating in compliance with waste discharge requirements.
2. Records of monitoring information shall include:
 - a. The date, exact place, and time of sampling or measurement(s);
 - b. The individual(s) who performed the sampling or measurement(s);
 - c. The date(s) analyses were performed;
 - d. The individual(s) who performed the analyses;
 - e. The analytical techniques or methods used; and
 - f. The results of such analyses.
3. The results of any analysis performed, more frequently than required using test procedures and locations specified in this Monitoring and Reporting Program shall be reported to the Regional Board.
4. Monitoring reports shall be certified under penalty of perjury to be true and correct, and shall contain the required information at the frequency designated in this monitoring report.
5. Each report shall contain the following statement:

"I declare under the penalty of law that I have personally examined and am familiar with the information submitted in this document, and that based on my inquiry of those individuals

⁸ Milligrams-per-Kilogram

immediately responsible for obtaining the information, I believe that the information is true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of a fine and imprisonment for knowing violations".

6. A duly authorized representative of the discharger may sign the documents if:
 - a. The authorization is made in writing by the person described above;
 - b. The authorization specified an individual or person having responsibility for the overall operation of the regulated disposal system; and
 - c. The written authorization is submitted to the Regional Board's Executive Officer.
7. Reporting of any failure in the facility (wastewater treatment plant, and collection and disposal systems) shall be as described in Provision No. 10. Results of any analysis performed as a result of a failure of the facility shall be provided within ten (10) days after collection of samples.
8. Daily, semi-weekly and monthly monitoring reports shall be submitted to the Regional Board by the 15th day of the following month. Quarterly monitoring reports shall be submitted to the Regional Board by January 15, April 15, July 15, and October 15, of each year. Annual monitoring reports shall be submitted to the Regional Board by January 15 of each year.
9. Submit monitoring reports to:

California Regional Water Quality Control Board
Colorado River Basin Region
73-720 Fred Waring, Suite 100
Palm Desert, CA 92260

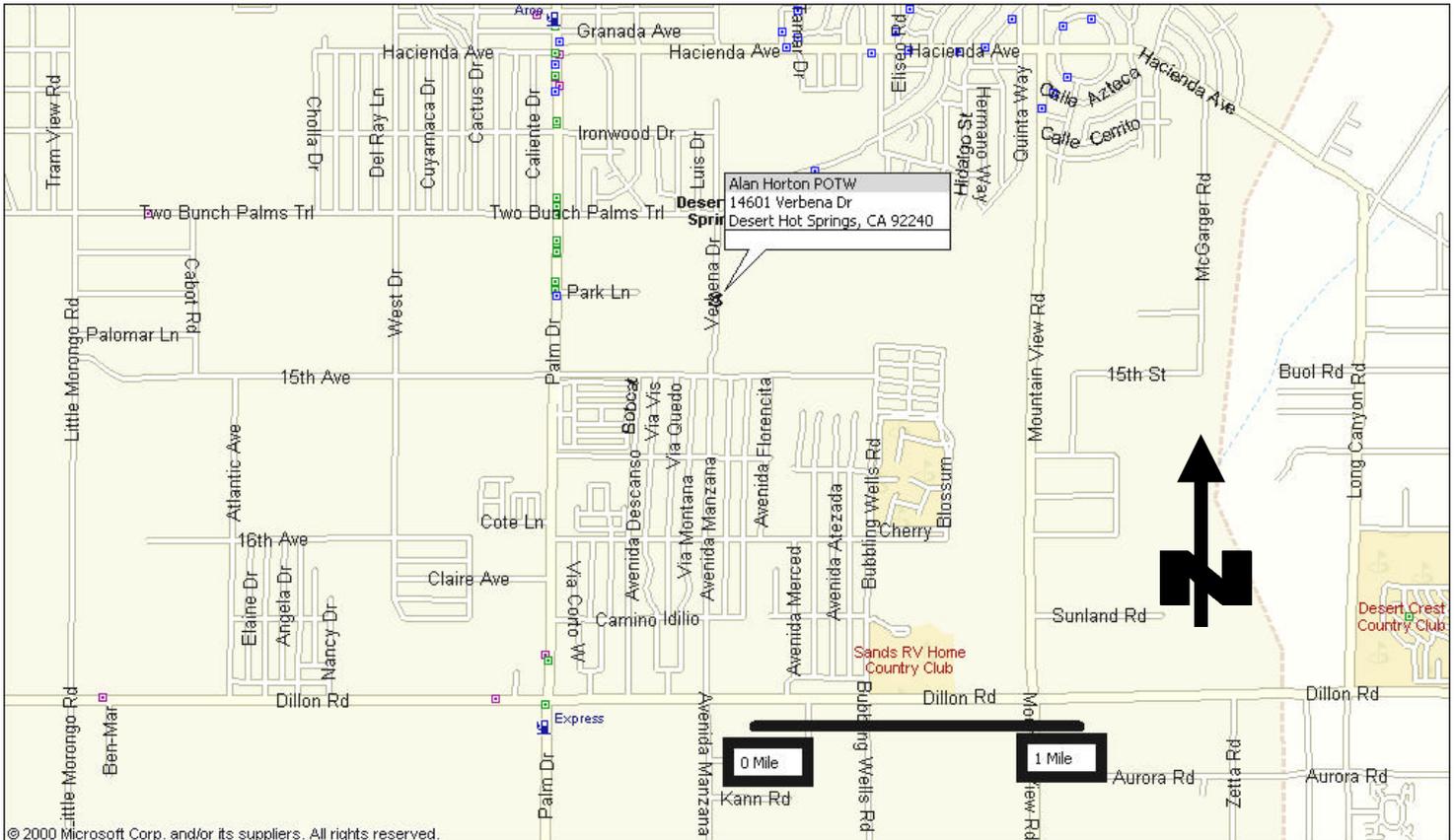
Ordered by:

Executive Officer

May 9, 2001

Date

CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD –7



SITE MAP

MISSION SPRINGS WATER DISTRICT, OWNER/OPERATOR
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